

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011933.D
 Acq On : 20 Dec 2022 19:30
 Operator : KP/MD
 Sample : N6038-22
 Misc : 3.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-40-(0-2)

Quant Time: Dec 21 00:10:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

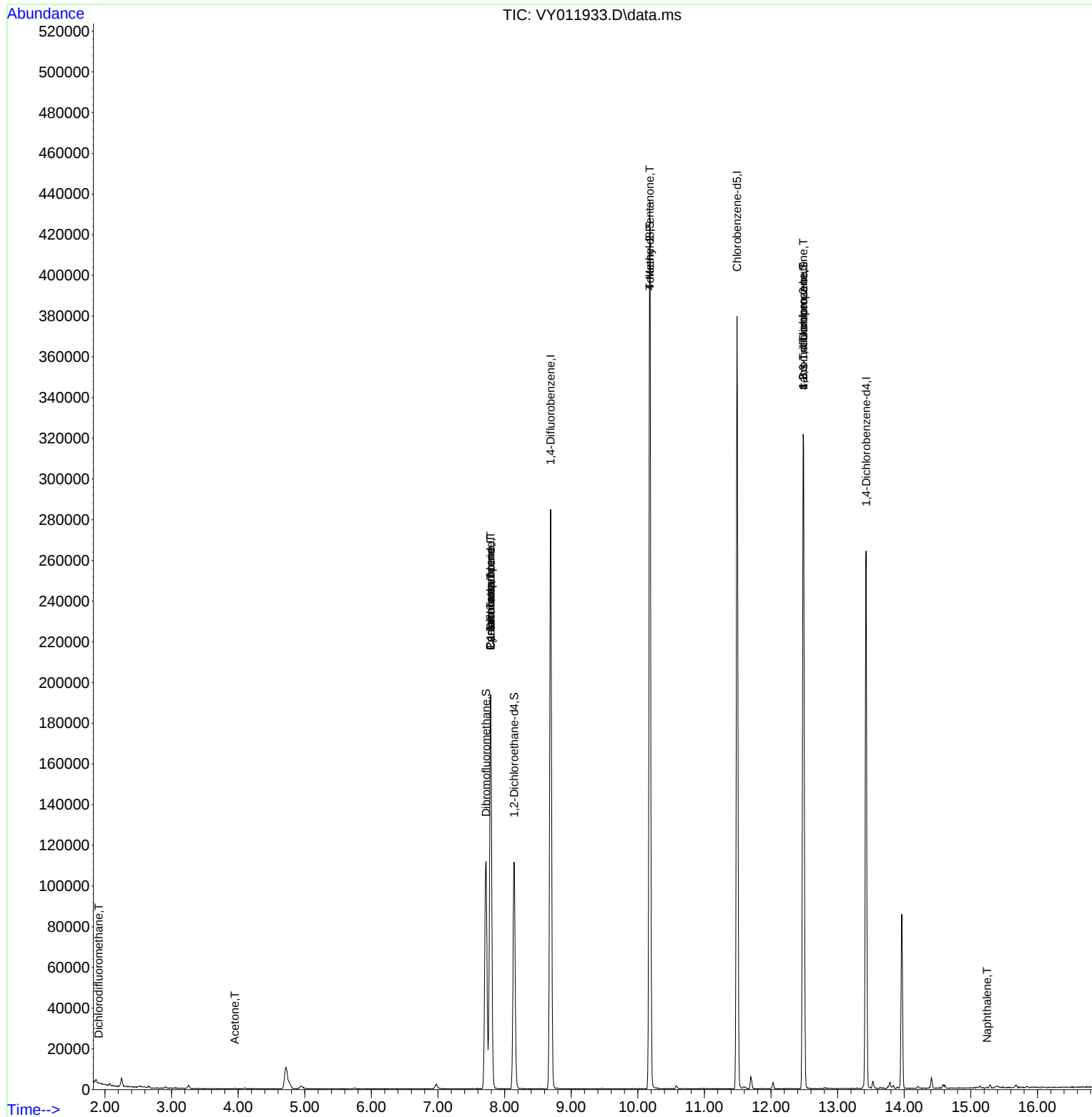
Internal Standards						
1) Pentafluorobenzene	7.789	168	151859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	248509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	210227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	69871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	90816	59.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.720%	
35) Dibromofluoromethane	7.722	113	79893	53.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.800%	
50) Toluene-d8	10.179	98	295279	48.646	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.300%	
62) 4-Bromofluorobenzene	12.483	95	73506	36.006	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	38	2.497	ug/l #	41
11) Tert butyl alcohol	4.948	59	2722	Below Cal	#	79
16) Acetone	3.948	43	311	5.542	ug/l #	40
20) Methylene Chloride	4.716	84	8290	Below Cal		97
31) Cyclohexane	7.789	56	3054	1.186	ug/l #	19
36) 1,1-Dichloropropene	7.789	75	11012	4.589	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15373	5.547	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1118	1.066	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	39406	45.324	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39406	124.120	ug/l #	13
95) Naphthalene	15.245	128	277	2.880	ug/l #	69

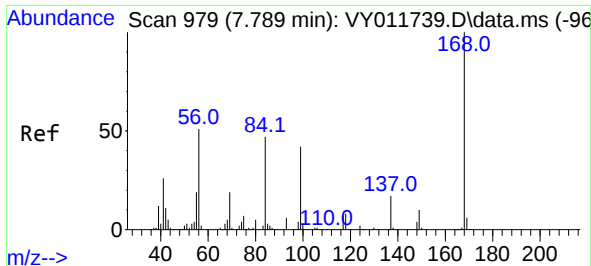
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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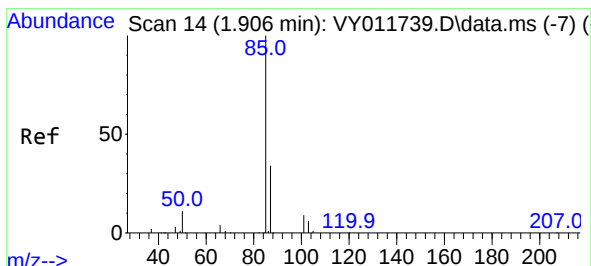
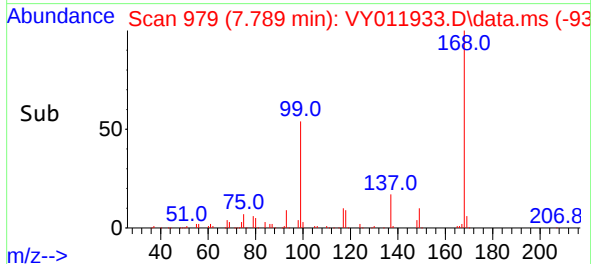
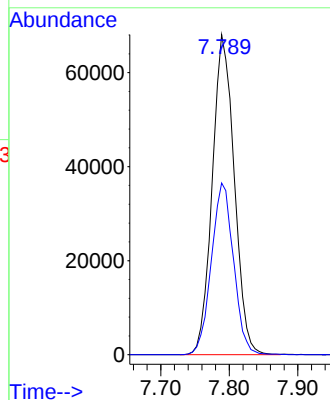
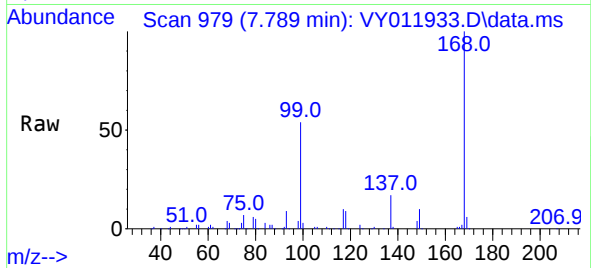




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

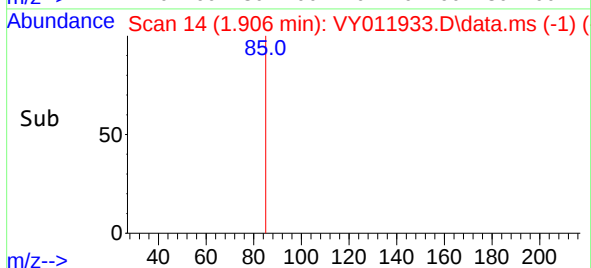
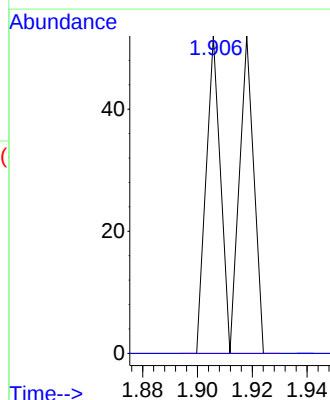
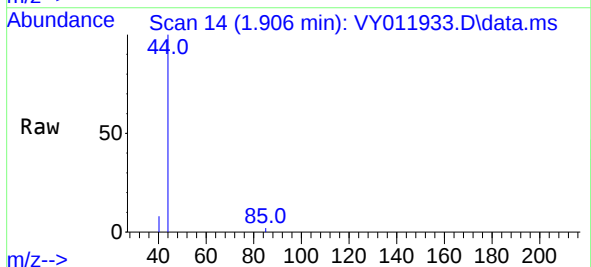
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(0-2)

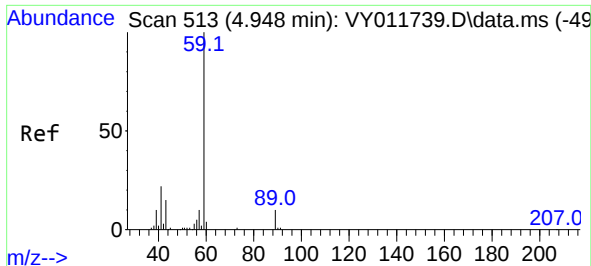
Tgt Ion:168 Resp: 151859
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.497 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Tgt Ion: 85 Resp: 38
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

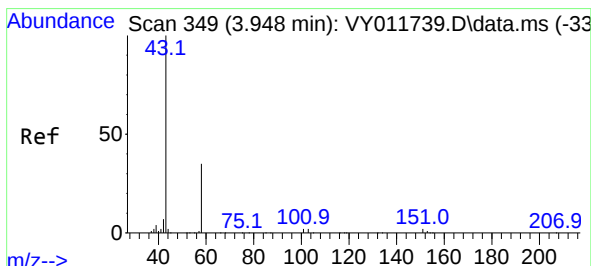
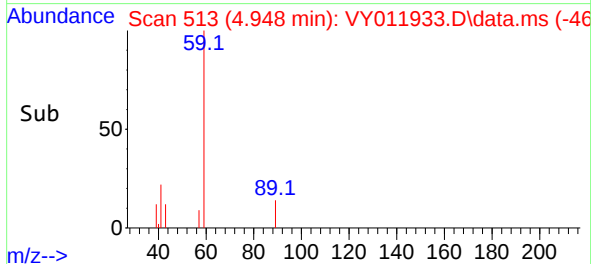
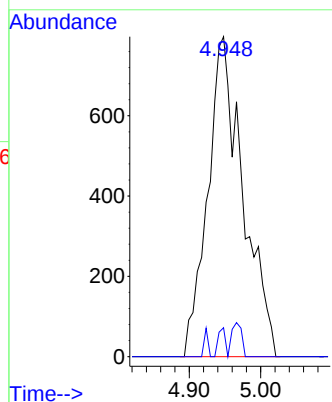
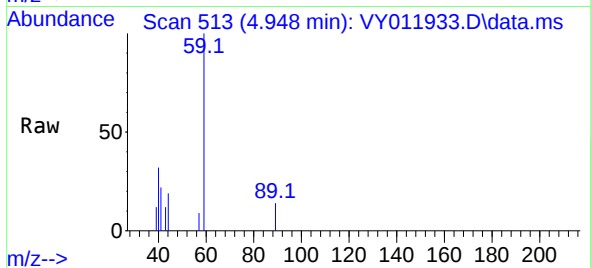




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

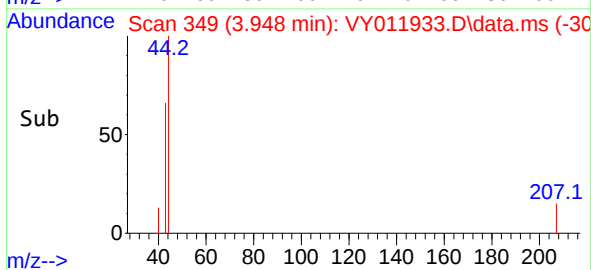
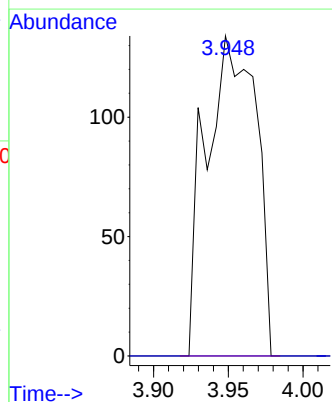
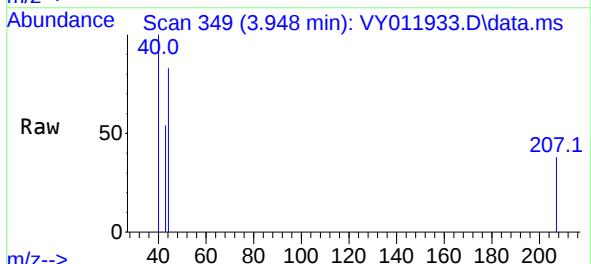
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(0-2)

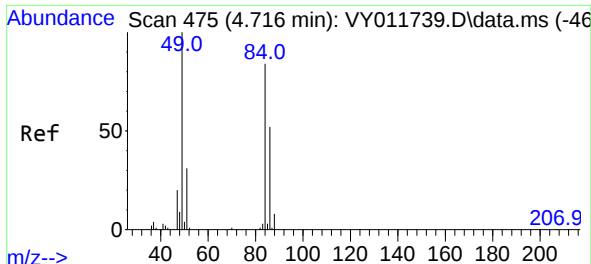
Tgt Ion: 59 Resp: 2722
Ion Ratio Lower Upper
59 100
57 1.8 7.4 11.2#



#16
Acetone
Concen: 5.542 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



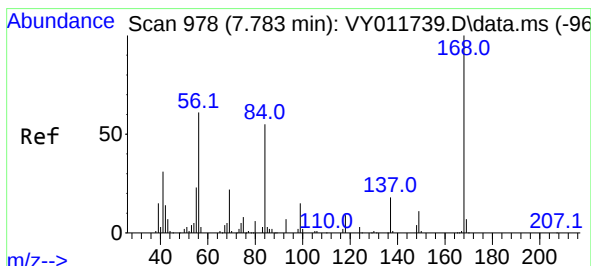
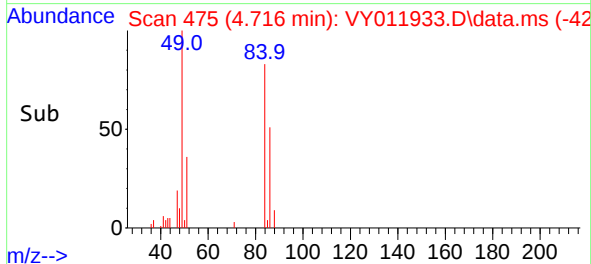
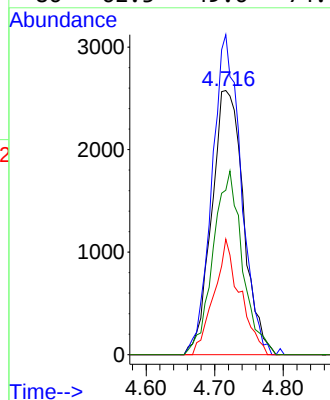
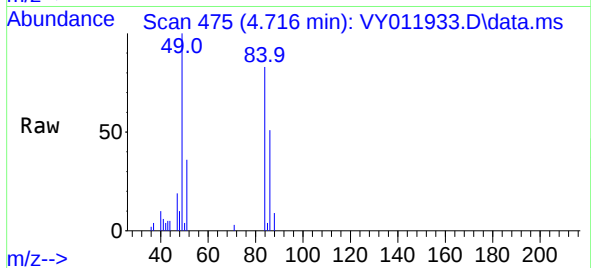


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(0-2)

Tgt Ion: 84 Resp: 8290

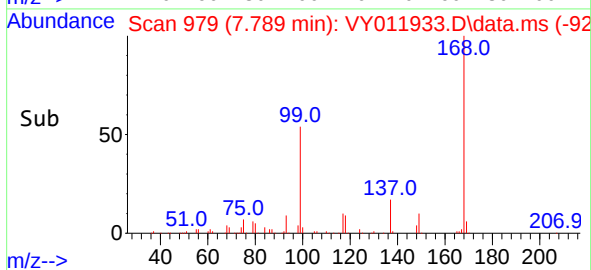
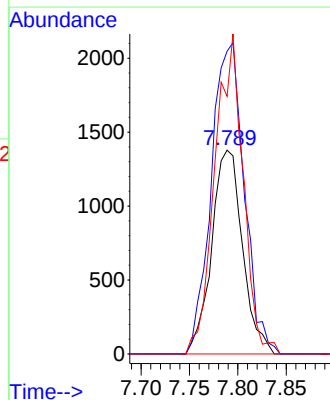
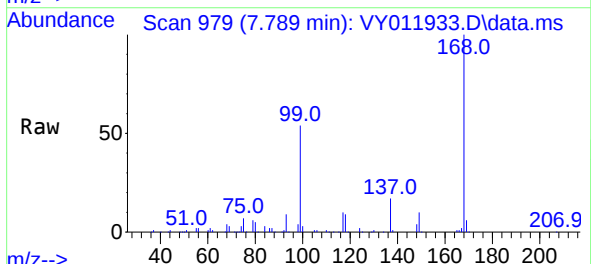
Ion	Ratio	Lower	Upper
84	100		
49	121.2	95.4	143.2
51	43.7	29.9	44.9
86	62.3	49.6	74.4

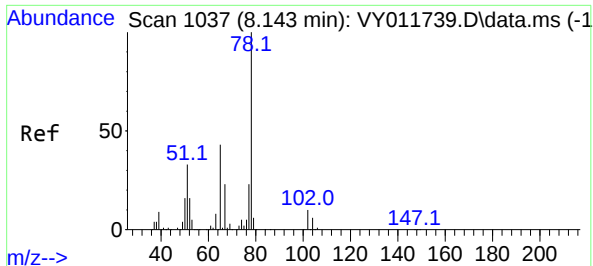


#31
Cyclohexane
Concen: 1.186 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Tgt Ion: 56 Resp: 3054

Ion	Ratio	Lower	Upper
56	100		
69	148.5	29.2	43.8#
84	126.4	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 59.359 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011933.D

Acq: 20 Dec 2022 19:30

Instrument :

MSVOA_Y

ClientSampleId :

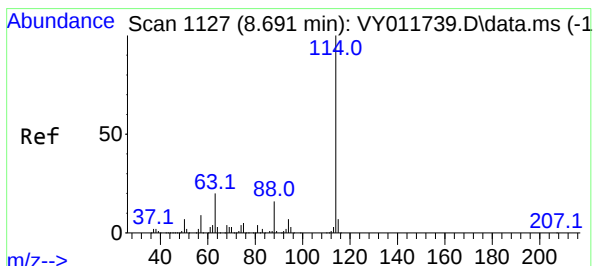
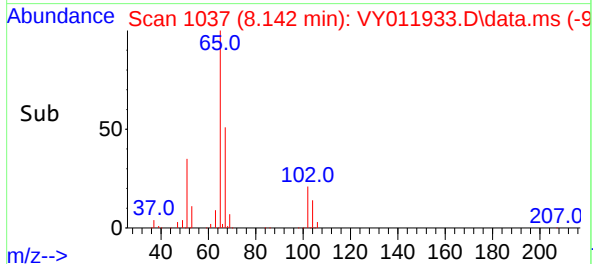
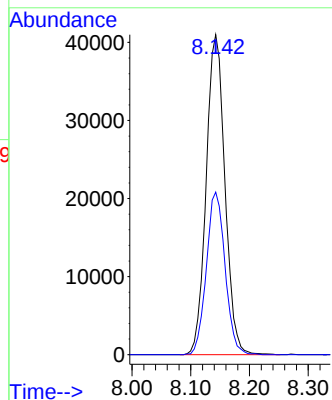
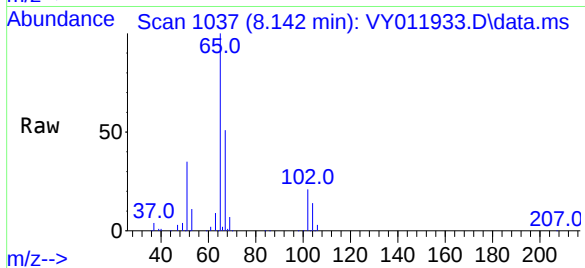
RB-40-(0-2)

Tgt Ion: 65 Resp: 90816

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011933.D

Acq: 20 Dec 2022 19:30

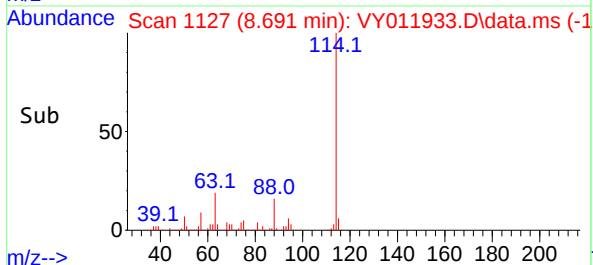
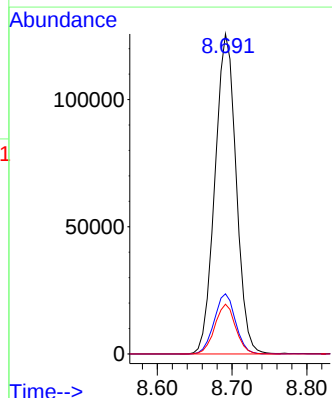
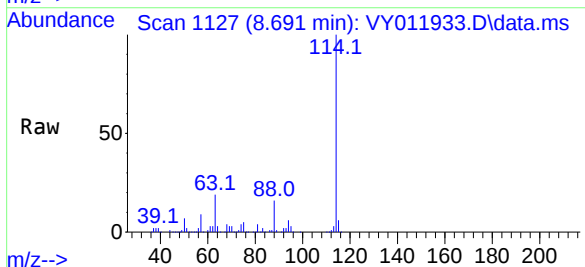
Tgt Ion: 114 Resp: 248509

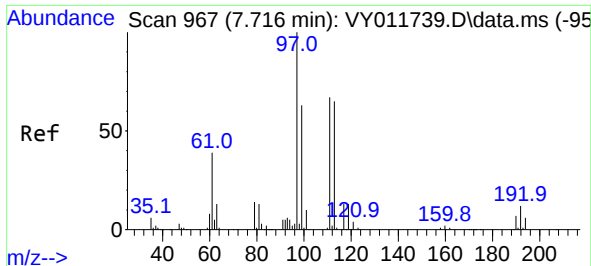
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.6 0.0 32.2

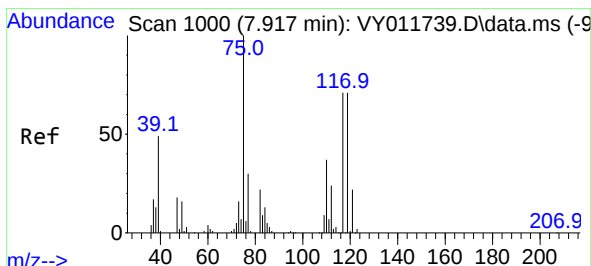
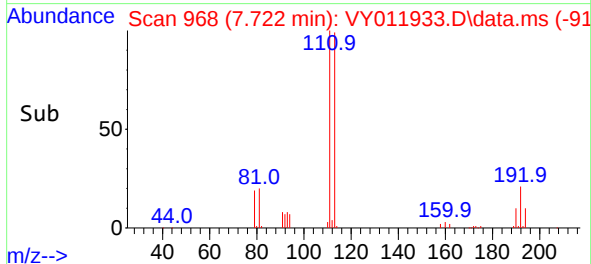
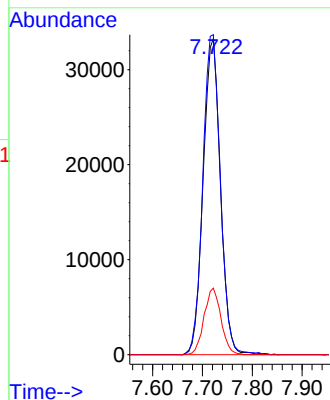
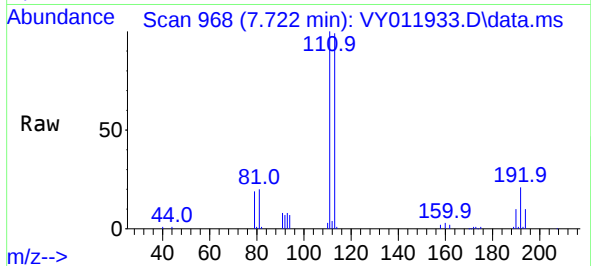




#35
 Dibromofluoromethane
 Concen: 53.401 ug/l
 RT: 7.722 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY011933.D
 Acq: 20 Dec 2022 19:30

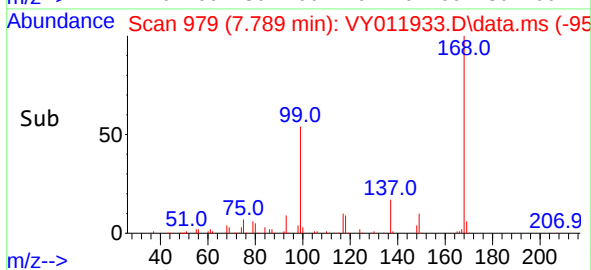
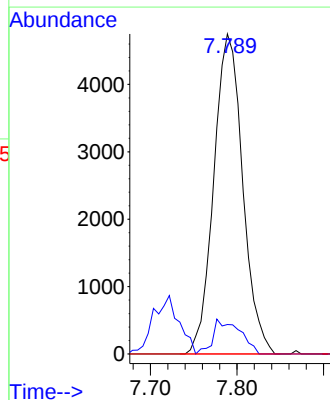
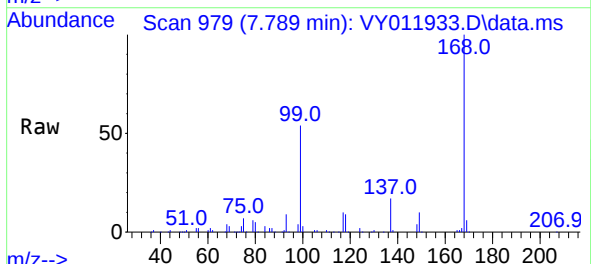
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 MSVOA_Y
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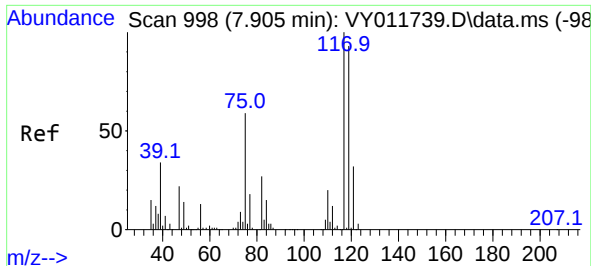
Tgt Ion:113 Resp: 79893
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.0 124.4
 192 20.7 16.0 24.0



#36
 1,1-Dichloropropene
 Concen: 4.589 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY011933.D
 Acq: 20 Dec 2022 19:30

Tgt Ion: 75 Resp: 11012
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.1 54.1#
 77 0.0 25.1 37.7#

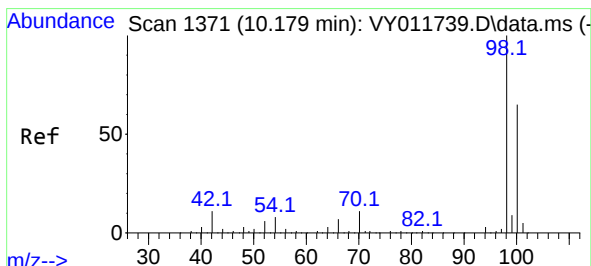
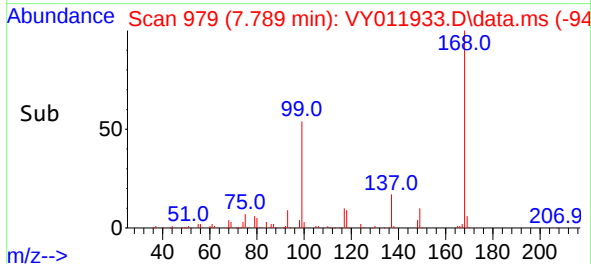
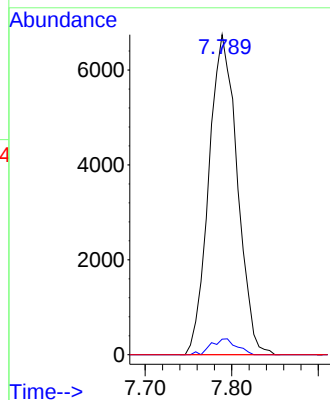
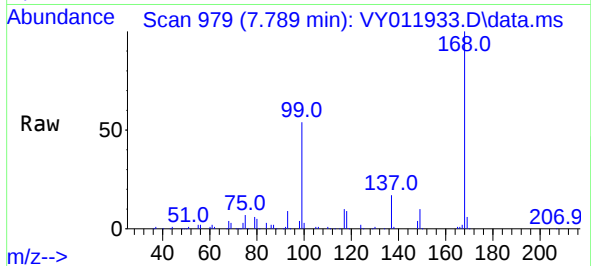




#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

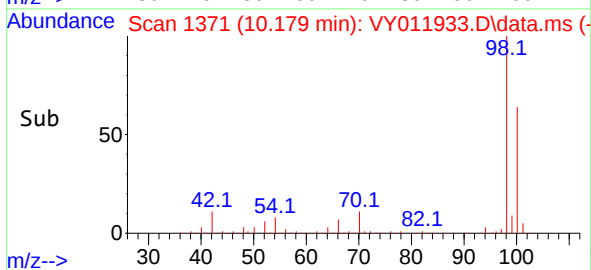
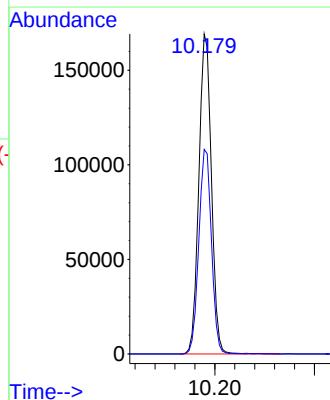
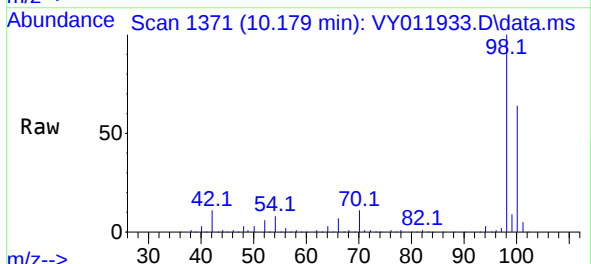
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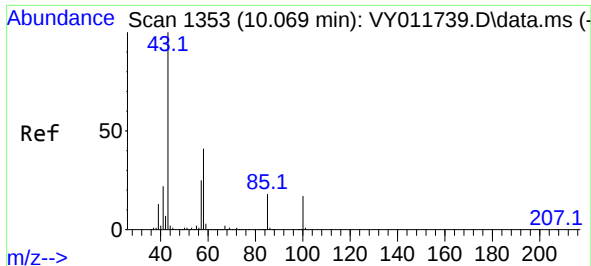
Tgt Ion:117 Resp: 15373
Ion Ratio Lower Upper
117 100
119 4.9 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 48.646 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Tgt Ion: 98 Resp: 295279
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

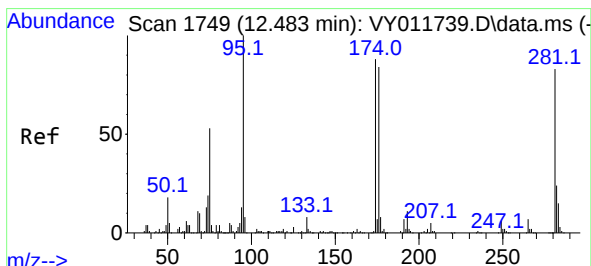
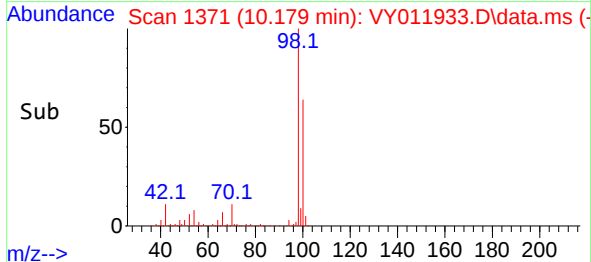
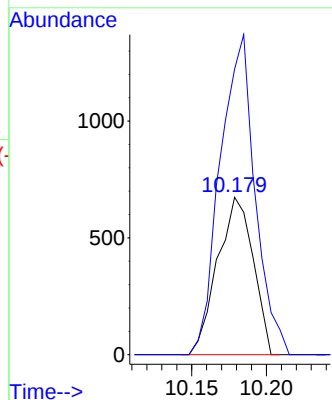
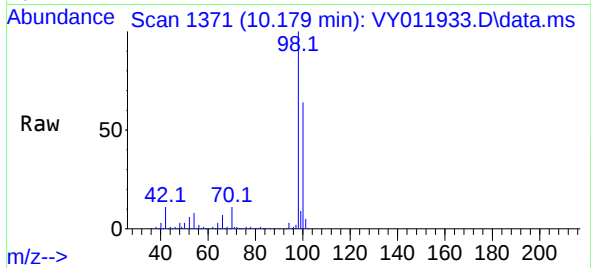




#51
4-Methyl-2-Pentanone
Concen: 1.066 ug/l
RT: 10.179 min Scan# 1118
Delta R.T. 0.110 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

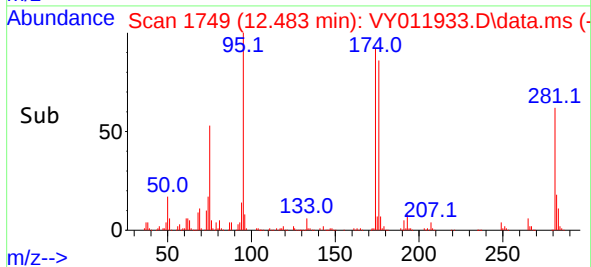
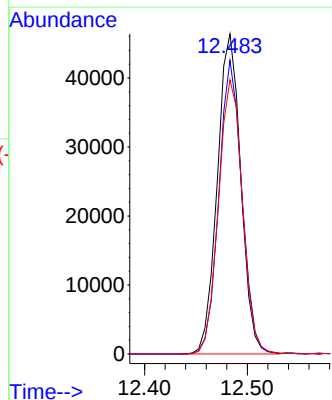
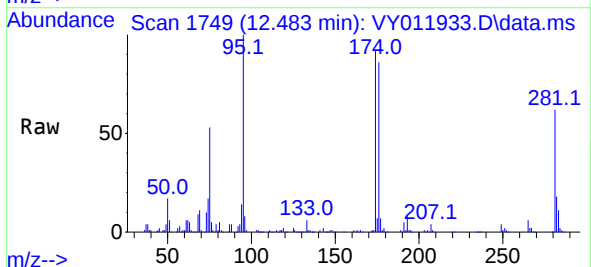
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(0-2)

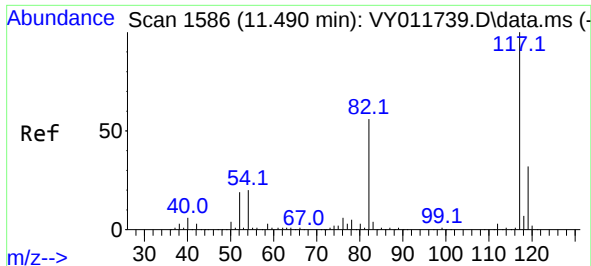
Tgt Ion: 43 Resp: 1118
Ion Ratio Lower Upper
43 100
58 199.0 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 36.006 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Tgt Ion: 95 Resp: 73506
Ion Ratio Lower Upper
95 100
174 89.7 0.0 172.0
176 87.5 0.0 167.6

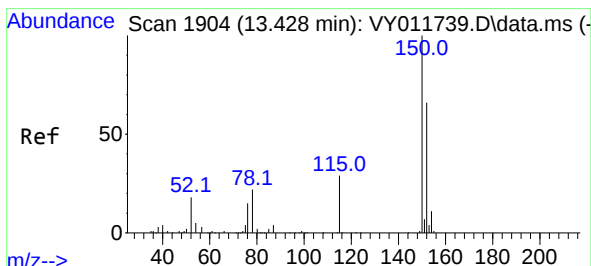
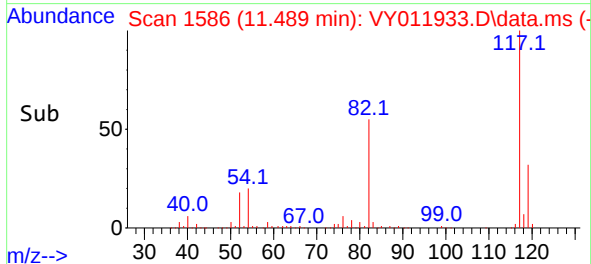
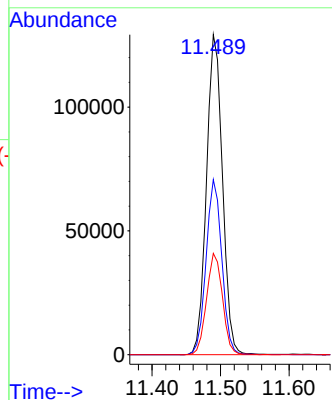
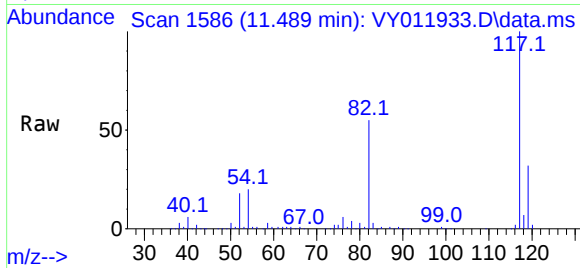




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

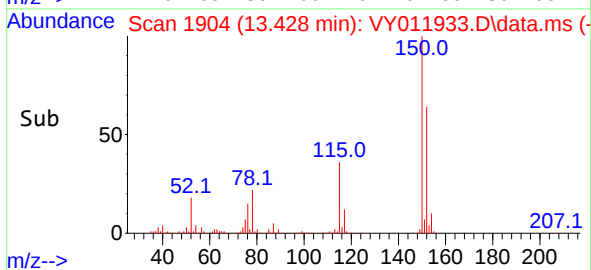
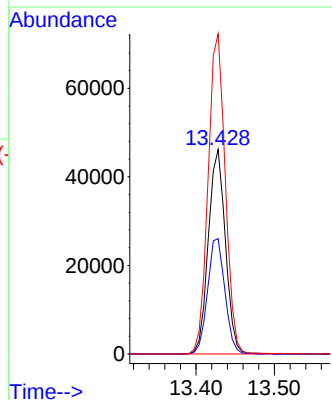
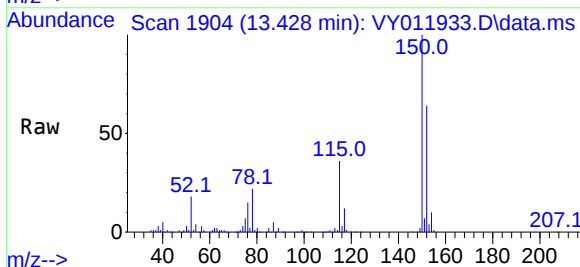
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(0-2)

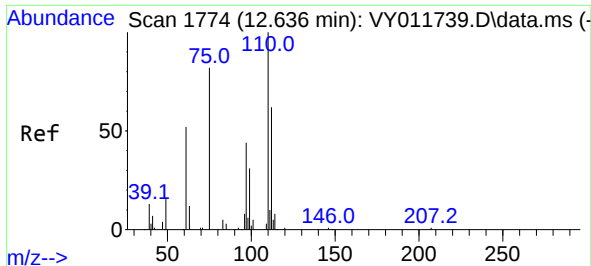
Tgt Ion:117 Resp: 210227
Ion Ratio Lower Upper
117 100
82 54.7 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Tgt Ion:152 Resp: 69871
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.3
150 157.3 0.0 342.6

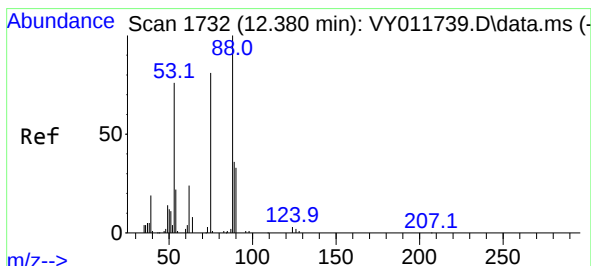
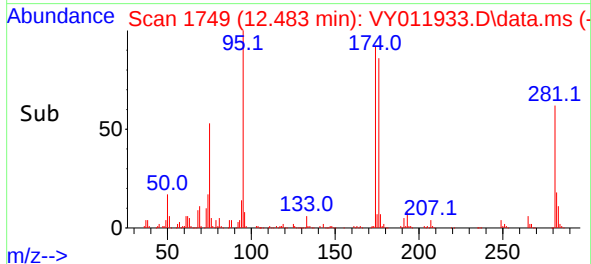
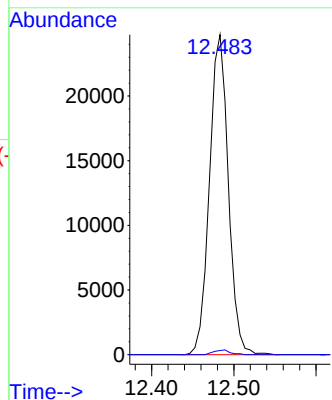
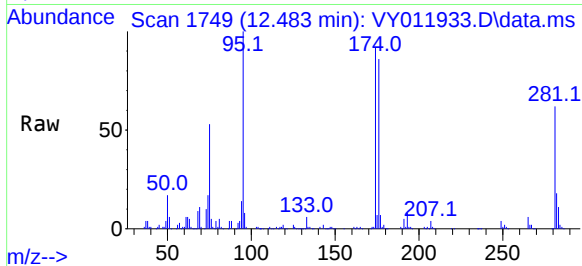




#76
1,2,3-Trichloropropane
Concen: 45.324 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

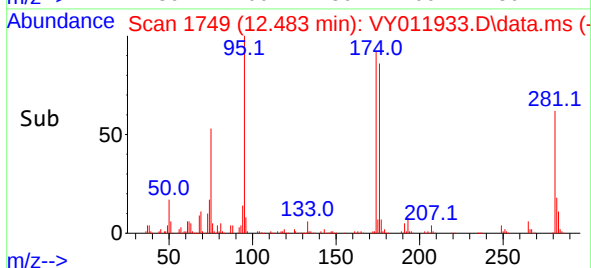
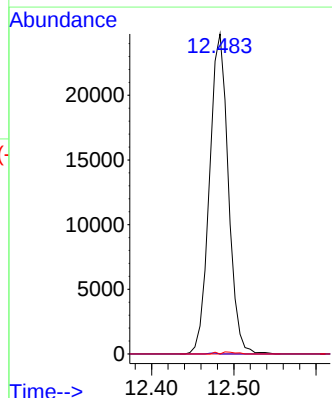
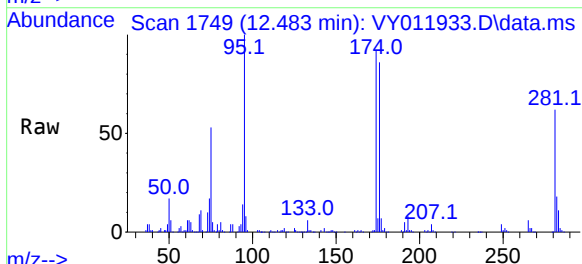
Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(0-2)

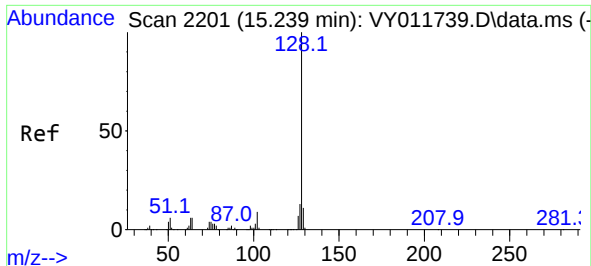
Tgt Ion: 75 Resp: 39406
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.120 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

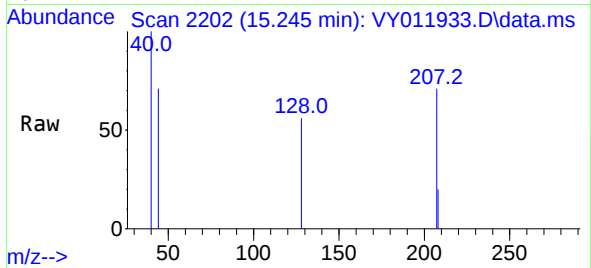
Tgt Ion: 75 Resp: 39406
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.6 37.0 55.4#





#95
Naphthalene
Concen: 2.880 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011933.D
Acq: 20 Dec 2022 19:30

Instrument :
MSVOA_Y
ClientSampleId :
RB-40-(0-2)



Tgt Ion:128 Resp: 277

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

